

Release notes for ENDF/B Development e-068_Er_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-068_Er_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Er + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Er [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Er [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Er + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Er [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Er1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 57574. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Er2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 9716.200000000001 eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Er2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 9274.799999999999 eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Er2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8347.4 eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Er3s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2188.9 eV!
9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Er3p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1991.8 eV!
10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Er3p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1796.2 eV!
11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Er3d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1455. eV!
12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Er3d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1412. eV!
13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Er4s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 436.85 eV!
14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Er4p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 357.04 eV!
15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Er4p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 312.97 eV!
16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Er4d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 180.25 eV!
17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Er4d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 172.26 eV!
18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Er4f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10.94 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Er4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 9.76 eV!

20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Er5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 56.73 eV!

21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Er5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 34.73 eV!

22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Er5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 29.06 eV!

23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Er6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5.48 eV!

• **xsectplotter** Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [4 more lines]